

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	09/079,640
				Filing Date	5/15/1998
				First Named Inventor	Henry Daniell
				Group Art Unit	1638
				Examiner Name	David T. Fox
				Attorney Docket Number	10742-002
Sheet	1	of	4		

OTHER PRIOR ART - NONPATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
DFF	1	Stable Chloroplast Transformation Using A Universal Integration Vector, Chittibabu Guda et al. Mar 1997 <i>Botany & Micro</i> No. 705 : 1-12	
	2	Correct Splicing of a Group II intron from a chimeric reporter gene transcript in tobacco plastids, Bock et al. <i>Nucleic Acids Research</i> 1995, Vol. 23, No. 13 : 2544-2547	
	3	Integration of foreign sequences into the tobacco plastome via polyethylene glycol-mediated protoplast transformation, Koop et al. <i>Planta</i> 1996 199: 193-201	
	4	Containment of herbicide resistance through genetic engineering of the chloroplast genome, Daniell et al. <i>Nature Biotechnology</i> Volume 18 April 1998 pp 345-348	
	5	Marker free transgenic plants: engineering the chloroplast genome without the use of antibiotic selection, <i>Curr Genet</i> (2001) 39: 109-116	
	6	Expression of the Native Cholera Toxin B Subunit Gene and Assembly as Functional Oligomers in Transgenic Tobacco Chloroplasts, Daniell et al. <i>J. Mol. Biol</i> (2001) 311, 1001-1009	
	7	Overexpression of the <i>Bt cry2Aa2</i> operon in chloroplasts leads to formation of insecticidal crystals, Cosa et al., <i>Nature Biotechnology</i> Vol. 19 January 2001 pp 71-74	
	8	Expression of an antimicrobial Peptide via the Chloroplast Genome to Control Phytopathogenic Bacteria and Fungi, DeGray et al., <i>Plant Physiology</i> , November 2001, Vol. 127, pp 852-862	
	9	Enhanced translation of a chloroplast-expressed <i>RbcS</i> gene restores small subunit levels and photosynthesis in nuclear <i>RbcS</i> antisense plants, Dhingra et al. <i>PNAS</i> April 20, 2004, Vol. 101, No. 16, 6315-6320	
	10	In vivo analysis of plastid <i>psbA</i> , <i>rbcl</i> , and <i>rp132</i> UTR element by chloroplast transformation: tobacco plastid gene expression is controlled by modulation of transcript levels and translation efficiency, Eibl et al. <i>Plant Journal</i> (1999) 19(3) 333-345	
	11	The stem-loop region of the tobacco <i>psbA</i> 5'UTR is an important determinant of mRNA stability and translation efficiency, Zou et al., <i>Mol. Gen Genomics</i> (2003) 269: 340-349	

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DF	12	Chloroplast transformation in oilseed rape, Bing-Kai Hou et al., <i>Transgenic Research</i> 12: 111-114, 2003	
	13	Efficient plastid transformation in tobacco using the <i>aphA-6</i> gene and kanamycin selection, F.-C. Huang et al., <i>Mol Genet Genomics</i> (2002) 268: 19-27	
	14	Dicistronic expression of the green fluorescent protein and antibiotic resistance genes in the plastid for selection and tracking of plastid-transformed cells in tobacco, S.-W. Jeong et al. <i>Plant Cell Rep.</i> (2004) 22: 747-751	
	15	Expression of the B subunit of <i>E. Coli</i> heat-labile enterotoxin in the chloroplasts of plants and its characterization, Kang et al., <i>Transgenic Research</i> 12: 683-691, 2003	
	16	Rapid and proven production of transplastomic tobacco plants by restoration of pigmentation and photosynthesis, Klaus et al., <i>The Plant Journal</i> (2003) 35, 811-821	
	17	Overexpression of the <i>Bacillus thuringiensis</i> (Bt) <i>Cyr2Aa2</i> protein in chloroplasts confers resistance to plants against susceptible and Bt-resistant insects, Kota et al., <i>Proc. Natl. Acad. Sci, USA</i> Vol. 96, pp 1840-1845 March 1999	
	18	Accumulation of trehalose within transgenic chloroplasts confers drought tolerance, Lee et al., <i>Molecular Breeding</i> 11: 1-13, 2003	
↓	19	Phytoremediation of Organomercurial Compounds via Chloroplast Genetic Engineering, Ruiz et al., <i>Plant Physiology</i> , July 2003, Vol. 132, pp. 1-9	
DF	20	Plastid Transformation in <i>Arabidopsis thaliana</i> , S. R. Sikdar et al., <i>Plant Cell Reports</i> (1998) 18: 20-24	
	21	Engineering of the <i>rp123</i> gene cluster to replace the plastid RNA polymerase σ subunit with the <i>Escherichia coli</i> homologue, J. Y. Suzuki et al., <i>Curr. Genet</i> (2000) 38: 218-225	
	22	Analysis of Barley chloroplast <i>psbD</i> light-responsive promoter elements in transplastomic tobacco, Thum et al., <i>Plant Molecular Biology</i> 47: 353-366, 2001	
↓	23	Expression of a chimeric <i>uidA</i> gene indicates that polycistronic mRNAs are efficiently translated in tobacco plastids, Staub et al., <i>The Plant Journal</i> (1995) 7(6), 845-848	

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DDF	24	Kumar, S., Dhingra, A. and Daniell, H. (2004) Plastid expressed betaine aldehyde dehydrogenase gene in carrot cultured cells, roots and leaves confers enhanced salt tolerance. <i>Plant Physiol.</i> 136: 2843-2854.	
	25	Ruiz, O.N., Hussein, H., Terry, N., Daniell, H. (2003) Phytoremediation of organomercurial compounds via chloroplast genetic engineering. <i>Plant Physiol.</i> 132: 1-9.1344-1352.	
	26	Watson, J., Koya V., Leppla S. and Daniell, H. (2004) Expression of <i>Bacillus anthracis</i> protective antigen in transgenic chloroplasts of tobacco, a non-food/feed crop. <i>Vaccine</i> 22, 4374-4384.	
	27	Fernandez-San Millan, A., Mingo-Castel, A. and Daniell, H. (2003) A chloroplast transgenic approach to hyper-express and purify human serum albumin, a protein highly susceptible to proteolytic degradation. <i>Plant Biotechnol. J.</i> 1,71-79.	
	28	Daniell, H., Carmona-Sanchez, O., and Burns, B. B. (2004) Chloroplast derived antibodies, biopharmaceuticals and edible vaccines. In R. Fischer & S. Schillberg (Eds.) <i>Molecular Farming</i> pp.113-133. Weinheim: WILEY-VCH Verlag.	
	29	Sidorov, V.A., Kasten, D., Pang, S.Z., Hajdukiewicz, P.T.J., Staub, J.M., Nehra, N.S. (1999) Stable chloroplast transformation in potato: use of green fluorescent protein as a plastid marker. <i>Plant J.</i> 19, 209-216.	
	30	Ruf, S., Hermann, M., Berger, I. J., Carrer, H. and Bock, R. (2001) Stable genetic transformation of tomato plastids and expression of a foreign protein in fruit. <i>Nat. Biotechnol.</i> 19, 870-875.	
	31	Kumar, S., Dhingra, A. and Daniell, H. (2004) Stable transformation of the cotton plastid genome and maternal inheritance of transgenes. <i>Plant Mol. Biol.</i> 56, 203-216.	
	32	Dufourmantel, N., Pelissier, B., Garcon, F., Peltier, J.M. and Tissot, G. (2004). Generation of Fertile Transplastomic soybean. <i>Plant Mol Biol.</i> 55: 727-741.	
	33	Guda, C., Lee, S. B. and Daniell, H. (2000) Stable expression of biodegradable protein based polymer in tobacco chloroplasts. <i>Plant Cell Rep.</i> 19, 257-262.	
	34	Muhlbauer, S. K., Lossl, A., Tzekova, L., Zou, Z. R. and Koop, H. U. (2002) Functional analysis of plastid DNA replication origins in tobacco by targeted inactivation. <i>Plant J.</i> 32, 175-184.	
	35	Jeong, S. W., Jeong, W. J., Woo, J. W., Choi, D. W., Park, Y. I. and Liu, J. R. (2004) Dicistronic expression of the green fluorescent protein and antibiotic resistance genes in the plastid for selection and tracking of plastid-transformed cells in tobacco. <i>Plant Cell Rep.</i> 22, 747-751.	


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DF	36	Svab, Z. and Maliga, P. (1993) High frequency plastid transformation in tobacco by selection for a chimeric aadA gene. <i>Proc. Natl. Acad. Sci. USA</i> 90: 913-917.	
	37	Viitanen, P. V., Devine, A. L., Khan, M. S., Deuel, D. L., Dyk, D. E. V. & Daniell, H. (2005). Metabolic engineering of the chloroplast genome using the <i>E. coli ubiC</i> gene reveals that chorismate is a readily abundant plant precursor for p-Hydroxybenzoic acid biosynthesis. <i>Plant Physiol.</i> in press.	
	38	Zoubenko, O. V., Allison, L. A., Svab, Z. and Maliga, P. (1994) Efficient targeting of foreign genes into the tobacco plastid genome. <i>Nuc. Acids Res.</i> 22, 3819-3824.	
	39	Staub, J. M. and Maliga, P. (1993) Accumulation of D1 Polypeptide in tobacco plastids is regulated via the untranslated region of the <i>psbA</i> messenger RNA. <i>EMBO J.</i> 12, 601-606.	


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